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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Kevin McCarthy on 3/15/2010.

The application, as submitted 11/25/2009, has been amended as follows:

Claim 4, delete the current claim 4 and replace with the following: A converter according to claim 1, wherein part of the inlet conduit has been routed such that it is connected to the outlet conduit above and below the selected section wherein said selected section is a common portion of both said inlet conduit and said outlet conduit around which electricity conducting wires are coiled.

Claims 6, delete the current claim 6 and replace with the following: A converter according to claim 5, wherein part of the inlet conduit and part of the outlet conduit have been routed such that they are connected to the booster conduit above and below the selected section wherein said selected section is a common portion of said inlet conduit, said outlet conduit, and said booster conduit about which electricity conducting wires are coiled.

Response to Arguments

Applicant's arguments with respect to claims 1-21, see remarks filed 01/07/2010, have been fully considered and are persuasive. Therefore, the rejection of 8/27/2009 has been withdrawn.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art does not teach all the elements recited in the claims including the recited valve system resulting in a pulsed circulation method and placement of the magnetic field generation system at the location of the coils rather than prior to the coils. Furthermore, it would not be obvious to provide the structures taught in the prior art with a valve system to create a pulsed circulation system or to provide the placement of the magnetic field generation system at the location of the coils.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jayne Mershon whose telephone number is (571) 270-7869. The examiner can normally be reached on 9:00 AM to 5:00 PM; alt. Fridays off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer Michener can be reached on (571) 272-1424. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JLM

3/16/2010

/Jennifer K. Michener/

Supervisory Patent Examiner, Art Unit 1795